

Docket No. AUS920040013US1

ABSTRACT OF THE DISCLOSURE

**SYSTEM, APPARATUS AND METHOD OF AGGREGATING TCP-OFFLOADED
ADAPTERS**

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A system, apparatus and method of aggregating TCP-offloaded adapters are provided. When data is being transacted between a local host and a remote host, associated with the data are usually a local port and a remote port through which the data transaction is to occur. If any one or both hosts have a plurality of TCP-offloaded adapters, the adapters may be aggregated by assigning a common IP address to the adapters. Then an adapter is selected through which the data transaction will occur based on the local port and the remote port. Specifically, the port numbers of the two TCP ports are added together and modded (i.e., the sum undergoes a modulo operation) by the number of adapters in the aggregation. The result of the modulo operation determines which TCP-offloaded adapter is used to handle the data transaction.

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